SAMSUNG

AH68-01675D

SAMSUNG

YH-J70

Features

Mass Storage Device Support

- You can use the built-in hard drive to store your entire music library, plus use it as an external drive for your PC to store other data files.

MP3, WMA, Audio ASF and Ogg Playback

- Your player supports playback of MP3, WMA, Audio ASF and Ogg.

USB Host Function Support

- You can freely transfer data such as music and image files without a PC by directly connecting digital devices such as digital camera, MP3 player, etc. to the player.

Video Playback Function

- You can view video files after downloading using the Multimedia Studio.

Image & Text Viewer Function

- You can view JPEG files and TXT file texts.

Direct MP3 Recording

- You can convert music from CDs, cassettes, and radio into MP3 files without a PC.

USB 2.0 High Speed Data Transfer

SRS WOW Surround Sound

- The 3D surround(SRS) feature adds spaciousness to the sound.

1.8-inch Color TFT LCD

- You can enjoy high quality image & video files.

Various Games Support

- You can enjoy games such as Tetris, Omok and Othello.

Built-in Rechargeable Li-ion Battery

- The built-in rechargeable lithium battery provides up to 25 hours of music and 5 hours and 30 minutes of video files. (According to company measurement)

Playback Speed Control Function

- You can adjust the playback speed of music or voice files.

Upgradable

- You can upgrade the built-in programs when available.
  Please check the home page (www.samsung.com) for upgrades.

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Please read and understand all the instructions to avoid injury to yourself and damage to the device

Do not expose to extreme temperatures (above 95°F or below 23°F). Do not expose to moisture.

Do not apply excessive pressure on the device.

Do not let any foreign matter spill into the device.

Do not place heavy objects on top of the device.

Do not expose to chemicals such as benzene and thinners.

Do not touch the charger with wet hands.

Do not expose to direct sunlight or heat sources.

Do not store in dusty areas.

Do not try to disassemble and repair the device yourself.

Do not use the unit near any appliance that generates a strong magnetic field.

✻ Please be aware that we disclaim all responsibility for damages from loss of saved or recorded data due to breakdown, repair or other causes.

Earphones

Follow Traffic Safety Instructions

- Do not use the earphones while driving an automobile or riding a bicycle. It's not only dangerous, but also against the law.
- To avoid an accident, do not turn up the volume of the earphones too high while walking.

Protect your ears

- Do not turn up the volume too high. Doctors warn against prolonged exposure to high volume.
- Stop using the device or turn the volume down if you have ringing in your ears.
- Take care so that the earphone cable is not caught by your arm or other objects while walking or exercise.

Ambient operating conditions

- Ambient temperature : 5°C ~ 35°C (41°F ~ 95°F)
- Humidity : 10 ~ 75%

Environmental Information

- Follow local guidelines for waste disposal when discarding packages, batteries, and old electronic appliances.
- Your player is packaged with cardboard, polyethylene etc., and do not use any unnecessary materials.

CAUTION

RISK OF ELECTRIC SHOCK. DO NOT OPEN

The uninsulated parts inside the charger could cause electric shock.
For your safety, do not open the case of the charger.

Read this User Manual to prevent any problems that may occur while using the charger.

Warning

- Use the charger away from water sources to avoid fire or electric shock.

Caution

- To avoid electric shock, use the charger only with a power outlet that matches the shape of the converter's plug.
- Make sure that the charger's plug is inserted all the way into the outlet.

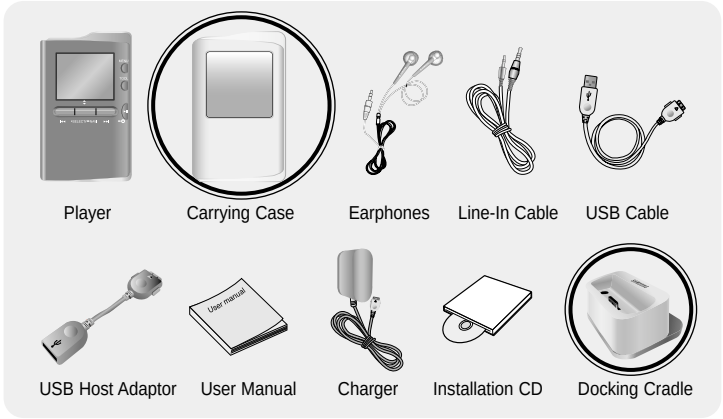
A charger is supplied with your player.

Plug the charger into a wall outlet.

* When recharging is complete, "Charge Completed" will be displayed on the screen.
* To recharge by connecting the USB cable, select [Settings] → [System] → [PC Connect Mode] → [Charge] in the menu screen. To charge through the USB cable, the PC has to be turned on. If the PC goes into power saving mode, the battery will not be charged.
* Charging the battery through USB cable takes approximate 6 hours, while charging the battery with the charger takes approximate 4 hours.

Caution

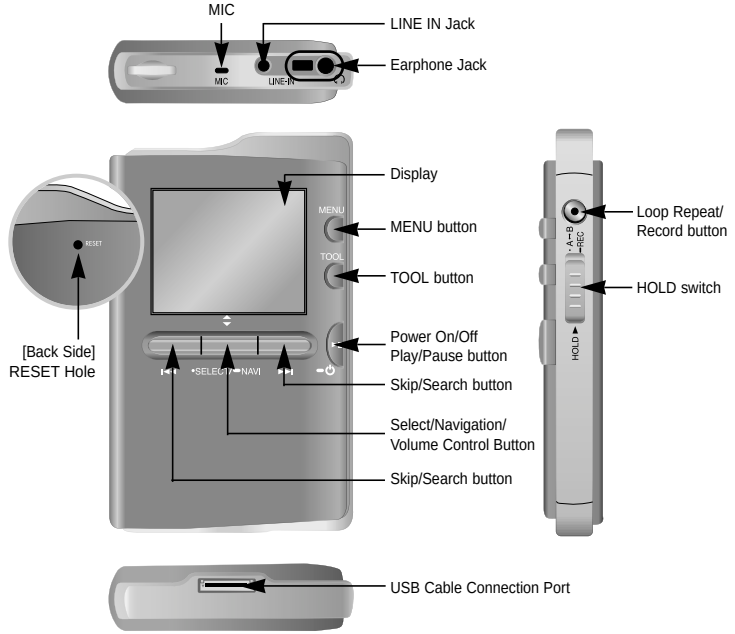
- To avoid the risk of fire, do not charge longer than 12 hours.
- Do not plug several devices into the same outlet.
- Do not use a charger that is defective.
- When using the rechargeable battery for the first time or after several months of non-use, fully charge it first.
- Overcharging will reduce the battery life.
- The rechargeable battery is a consumable item and its capacity will decrease gradually.
- To prolong the life of your battery, use the fully charged battery until it is completely discharged, and then fully charge it again before use.
- Please be aware that we disclaim all responsibility for damages from loss of saved or recorded data due to breakdown, repair or other causes.
  A fire or electric shock may result.
- Do not touch the charger with wet hands.



❊ Docking Cradle and Carrying Case are supplied only for 30GB model.

Model	YH-J70 SB/SW	YH-J70 LB/LW
Built-in memory	20GB	30GB

- The capacity of the useable built-in memory is less than indicated as the internal firmware uses a part of the memory as well.
- The appearance of the accessories shown is subject to change for product improvement without prior notice.

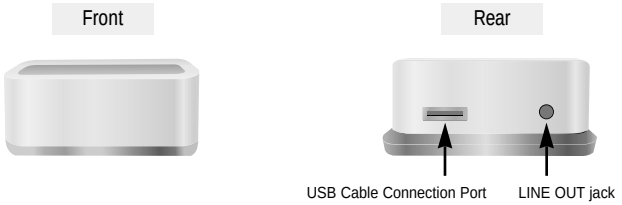


Note

- Reset the player by pressing the RESET hole using a pointed object such as a safety clip.

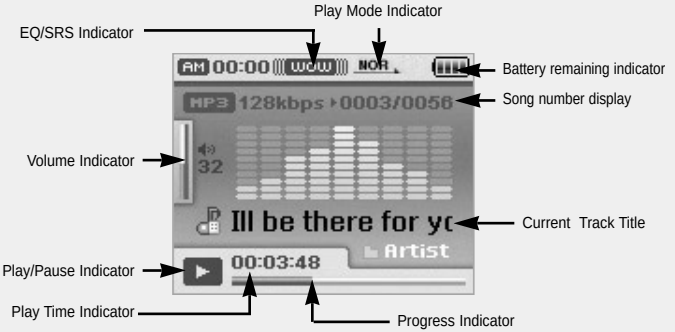
Docking Cradle

❊ Docking Cradle and Carrying Case are supplied only for 30GB model.



Note

- You can listen to music by putting the player on the cradle and connecting earphones or speakers via LINE OUT jack.
- You can't use USB host function using the cradle even if you connect the USB host adapter.



Note

- The screen pictures are for illustration purposes only. The actual screen may differ.

Connecting the player to your PC

ENG

❑ System Requirements.

The PC system must meet the following specifications:

- Pentium 200MHz or greater
- Windows XP
- 50MB of available hard disk space
- CD-ROM drive (double speed or greater)
- USB port (2.0) supported
- DirectX 9.0 or above.

Note

- Log into your PC as an administrator (Main User) and install the supplied software (Media / Multimedia Studio) for Windows XP.
  You can change account information by selecting [Start] → [Control Panel] → [User Account] from the taskbar of your PC.

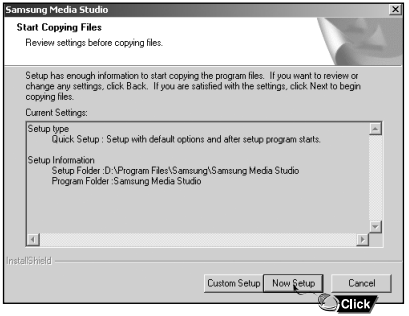
Install Samsung Media Studio prior before connecting the player to PC.

Installing Software

1 Insert the Installation CD into CD-ROM drive.
The picture shown below appears.
Select [Install Samsung Media Studio].

DIGITAL AUDIO PLAYER
YH-J70 Series
Install Samsung Media Studio
Samsung Music Studio will allow you to easily organize, manage and play your audio files. You can also transfer and manage music files in Portable Device.
Install Samsung Media Studio
Install Multimedia Studio
Click
Browse CD
Exit

2 Follow the instructions in the window to complete the installation.


Samsung Media Studio
Start Copying Files
Review settings before copying files.
Setup has enough information to start copying the program files. If you want to review or change any settings, click Back. If you are satisfied with the settings, click Next to begin copying files.
Current Settings:
Setup type
Quick Setup : Setup with default options and alter setup program starts.
Setup Information
Setup Folder :D:\Program Files\Samsung\Samsung Media Studio
Program Folder :Samsung Media Studio
InstallShield
Custom Setup
Now Setup
Cancel
Click

Connecting the player to your PC

Connecting the player to your PC with a USB cable

1 Connect the USB cable to the USB port of the computer.

2 Connect the other end of the USB cable to the USB cable connection port located at the bottom of the player.

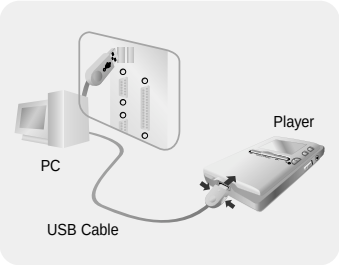
- If you disconnect the USB cable from your PC while implementing a command or initializing during USB driver installation, your PC may not function correctly.

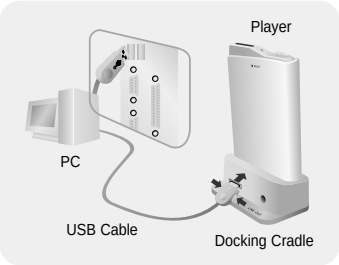
Note

- To use by connecting to the rechargeable cradle, connect the USB cable to the USB cable connection port on the cradle.

3 The USB driver is installed with a message saying that it is searching for a new device. You may not see the display screen during installation.
Go to the device manager to check that installation has been successfully completed.

4 Upon installation of the USB driver "Samsung YH-J70 USB Device" will appear in the [Device Manager].

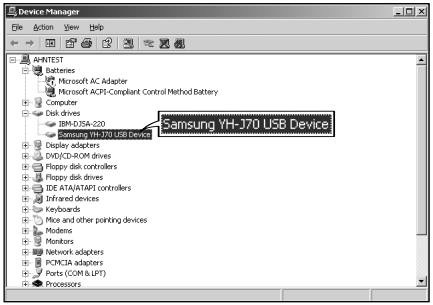




How to check if USB driver is properly installed

Windows XP:

Control Panel → System → Hardware → Device Manager → Disk Drives → Samsung YH-J70 USB Device



5 Falls der USB Treiber nicht automatisch installiert wurde, siehe Seite 18.

ENG

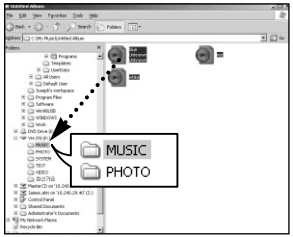
You need to select PC connection mode before using the removable disk.
Press the MENU buton and select [Settings] → [PC Connect Mode] → [Removable Disk] from the menu.

Downloading Files

1 Connect the player to PC.

2 Right click on the Start button, then choose Explore to Open Windows Explorer on PC.
- [Removable Disk] is displayed in Windows Explorer.

3 Select the file to save and drag-and-drop it into the desired folder.
- Drag and drop music files to MUSIC folder, text files to TEXT folder, image files to PHOTO folder, svi files to VIDEO folder and data files to DATA folder.
  - DATA folder is not displayed in the player.
- The player only supports video files which have a .svi extension. To view video files on other formats, convert the files using Multimedia Studio and then transfer the converted files into the player.



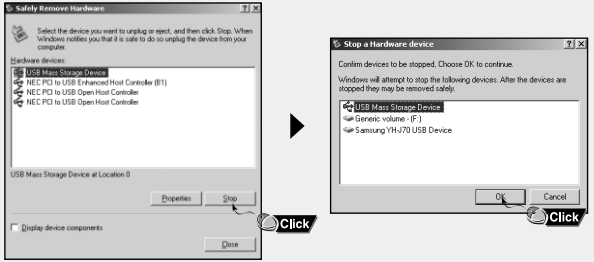
Caution
- Disconnecting the USB cable during file download/upload may cause malfunction of the player.
- The music file order displayed in Windows Explorer may differ from the play order on your player.

Disconnecting the USB Cable

After completing all file transfer, you must disconnect the cable using the follwing way:

1 Double click the green arrow in the taskbar located at the bottom right side of the screen.

2 Select the USB device and click the [Stop] button. When the Stop a Hardware Device screen appears, click the [OK] button and then disconnect the USB cable.


Safely Remove Hardware
Select the device you want to unplug or eject, and then click Stop. When Windows notifies you that it is safe to do so unplug the device from your computer.
Hardware devices:
USB Mass Storage Device
NEC PCI to USB Enhanced Host Controller (B1)
NEC PCI to USB Open Host Controller
NEC PCI to USB Open Host Controller
USB Mass Storage Device at Location 0
Properties
Stop
Display device components
Close
Click
Stop a Hardware device
Confirm devices to be stopped, Choose OK to continue.
Windows will attempt to stop the following devices. After the devices are stopped they may be removed safely.
USB Mass Storage Device
Generic volume - (F:)
Samsung YH-J70 USB Device
OK
Cancel
Click

Caution
- If you disconnect the USB cable improperly, the files on the device may be damaged and will not play.

- Media Studio is the program that enables you to download music files to the player, and play back music files on your PC.
- Click Media Studio icon from the Desktop.

Downloading Music Files

1 Connect the player to PC.

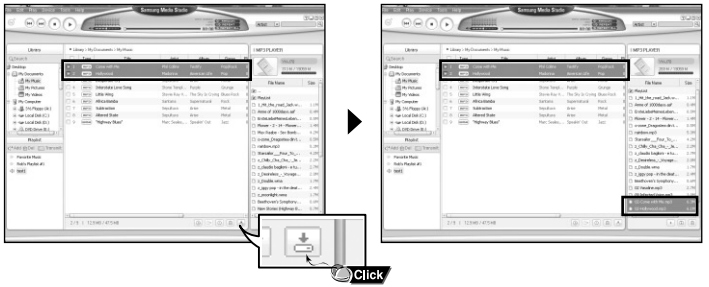
- A device connection window will appear on the right side of the screen.
  If the Device Connection window does not appear automatically, select [Device] → [Show device Window] from the top menu.

2 Select the folder with the file(s) you want to transfer from the [Library] window.

- The music files within the folder appear on the center of the screen.

3 When music files appear, select the file(s) you want to transfer, and then press the [Transfer] button.

- The selected file(s) are transferred to the player.
- Select [Device] → [Reconstruct Library] from Media Studio if file(s) are downloaded using removable disk.
  Music files are automatically classified into Artist, Album, Genre and Track folders according to tag info. Artist, Album, Genre and Track folders can be found from [Settings] → [Navigation] → [Music Library].



Note

- Refer to [Help] for more detailed information.
- What is an ID3 Tag?
  This is what is attached to an MP3 to carry information relevant to the file, such as the title, artist, album, year, genre and a comment field.

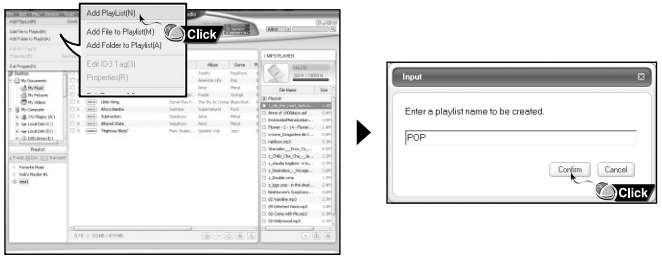
Using Media Studio

Sending Playlist

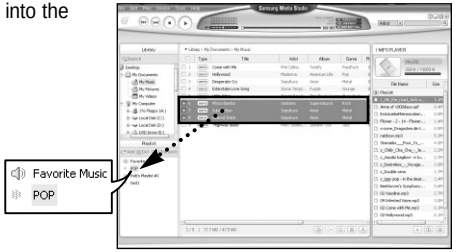
1 Connect the player to PC.

2 Press the [File] → [Add Playlist] at the top of the screen.
- Enter the name of Playlist folder when input screen appears.

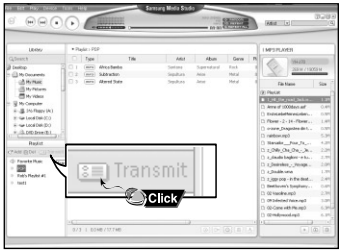
3 Select the folder with the file(s) you want to transfer from the [Library] window.
- The music files within the folder appear on the center of the screen.



4 Drag & drop the desired files into the created Playlist.



5 Press the [Transmit] button in the Playlist window after selecting the Playlist.
- Files within the Playlist are transferred to the player.
- Disconnect the player from the PC and press the MENU button on the player. Then, select [Navigation] → [Playlist] → [PC Playlist] to view the transfered playlist.



Note
- A new Playlist is created when [Add] button on the Playlist window is pressed.
  A selected Playlist is deleted when [Delete] button is pressed.
- Refer to [Help] for more detailed information.

ENG

● Formatting deletes all files on the MP3 player so maximum memory is available for new file storage. It saves you the trouble of deleting unwanted files one at a time.

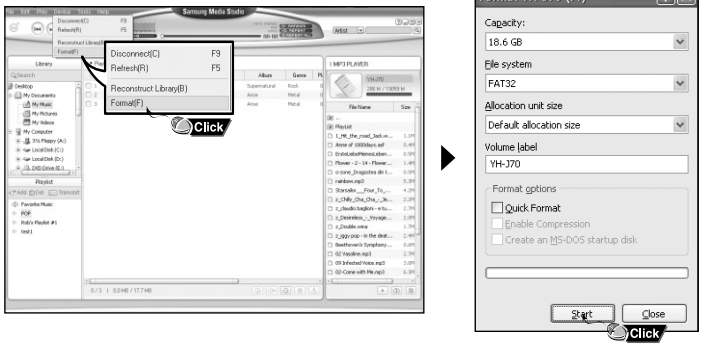
Formattimg the Player

1 Connect the player to PC.

2 Press the [Device] → [Format] at the top of the screen.

3 Press the [Start] button when the Format screen appears.

● The memory of the player is formatted and all the saved files will be deleted.



Note

- Refer to [Help] for more detailed information.
- If you have formatted the player on your PC, please format it once again using Media Studio.

Ripping Tracks from an Audio CD

1 Insert your CD including tracks to rip into the CD-ROM drive of your PC.

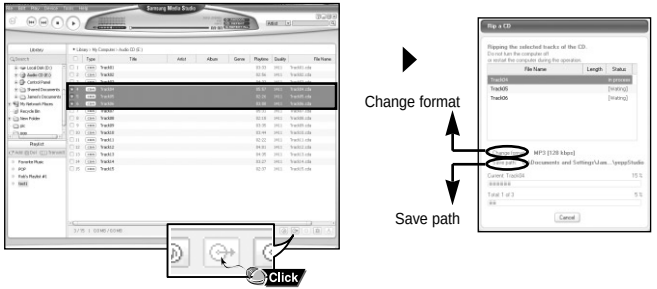
2 Press the [Search Audio CD] button on the lower part of the screen.

● The tracks on the CD are displayed.

3 Select tracks to be ripped and press the [Rip a CD] button.

● The selected file is converted into an MP3 file.

● Select [Tools] → [Audio Source Format Conversion Settings] on the top of the screen to change rip settings.



Note

- Refer to [Help] for more detailed information.

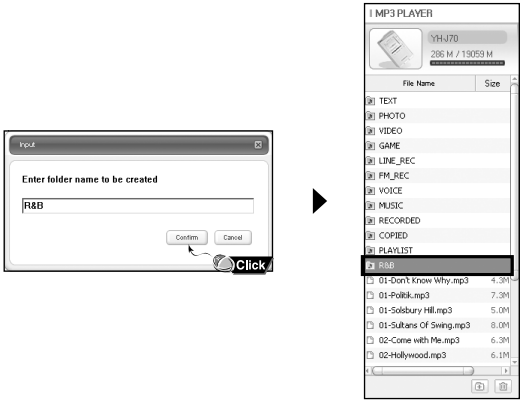
Creating a Folder

1 Connect the player to PC.

2 Press the [Create Folder] button at the bottom of device connection window.

3 Enter the name of the new folder when an input screen appears.

- A new folder is created.
- If you open a new folder and transfer a file, the file is transferred to the newly created folder.



Note

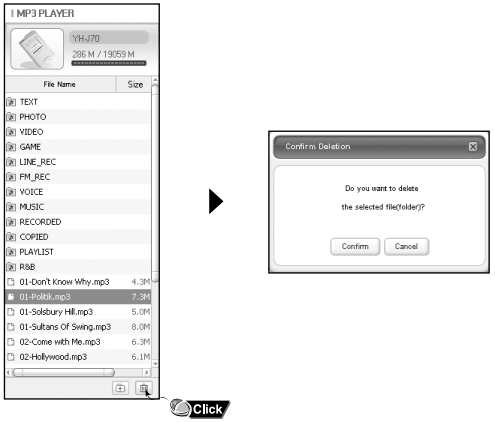
- Refer to [Help] for more detailed information.

Deleting a Folder/File

1 Connect the player to PC.

2 Press the [Delete] button at the bottom of the connection windows after selecting required files or folders from the device connection windows.

- A selected folder or file is deleted.



Note

- Refer to [Help] for more detailed information.

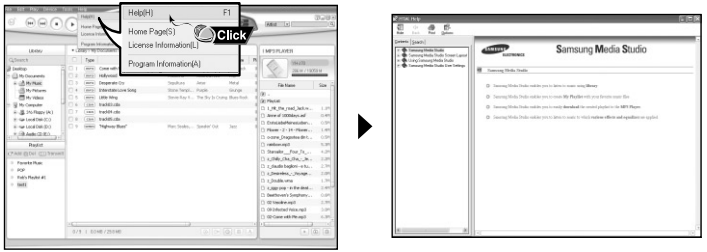
To View Help on Media Studio

Press F1 after starting Media Studio.

● Help window will appear.

Click on [Help] at the top of the screen.

● Click on [Help] and the Help window will appear.



Note

- Music recognition technology and related data are provided by Gracenote and Gracenote CDDB® Music Recognition Service℠.
- CDDB is a registered trademark of Gracenote. The Gracenote logo and logotype, the Gracenote CDDB logo and logotype, and the "Powered by Gracenote CDDB" logo are trademarks of Gracenote. Music Recognition Service and MRS are service marks of Gracenote.

ENG

● Multimedia Studio is a program that supports image editing, video playback and format conversion, and multimedia album creation.

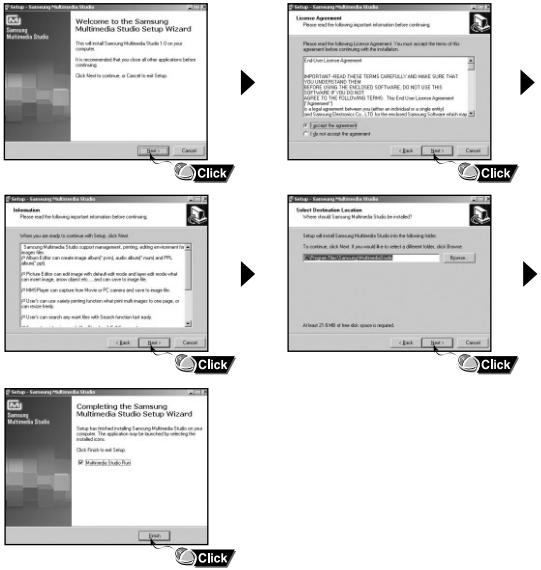
Installing Software

1 Insert the installation CD into the CD-ROM drive.
Select [Install Multimedia Studio].

2 Select language

Continued...

3 Follow the instructions in the window to complete the installation.



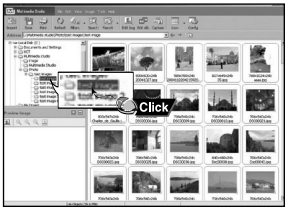
ENG

● Run Multimedia Studio from on the Desktop.

Editing Images

1 Select the folder containing images to edit from the directory window at the upper left-hand section of Multimedia Studio.

● The saved files will be displayed in the file list window on the right.

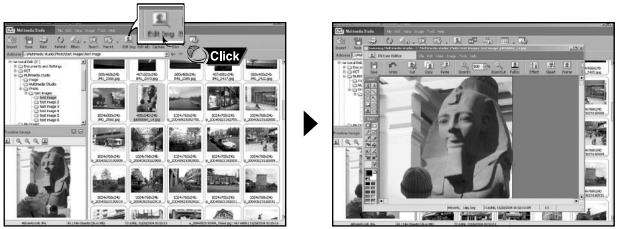


2 Select the image to edit.

● The selected image will be displayed in the [Preview image] window.

3 Press the [Edit Img] button.

● From the [Picture editor] window, you can perform functions like editing wallpaper images, editing layers, inserting clip art, making frames and other various editing functions.



Note

- Refer to [Help] for more detailed information.

Using Multimedia Studio

Select PC connection mode before transferring image files or video files through Multimedia Studio. Press the MENU button and select [Settings] → [PC Connect Mode] → [Removable Disk] from the menu.

Sending images

1 Connect the player to PC.

2 Select the image(s) to send to the player.

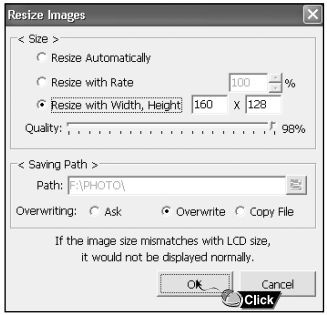
3 Select [File] → [Export images to device] at the top of Multimedia Studio.

4 Select the device connected to PC from the [Select device] screen, and then press the [OK] button.

5 Select the folder to save from the folder selection screen, and then press the [OK] button.

6 Set the size and path of the image at the [Resize images] window and then click the [OK] button.

- The image will be sent to the selected device.
- The transferred picture can be viewed at [Photo/Video] → [Photo].
- The optimal image size for viewing on the unit is 160 x 128. Please adjust the image size if the image does not display correctly on the player.



Note

- Path refers to the location or folder where the converted image(s) will be saved to on your PC.
- Image files saved in the player can be deleted by selecting [File] → [Delete images from device].
- Refer to [Help] for more detailed information

ENG

Select PC connection mode before transferring image files or video files through Multimedia Studio. Press the MENU button and select [Settings] → [PC Connect Mode] → [Removable Disk] from the menu.

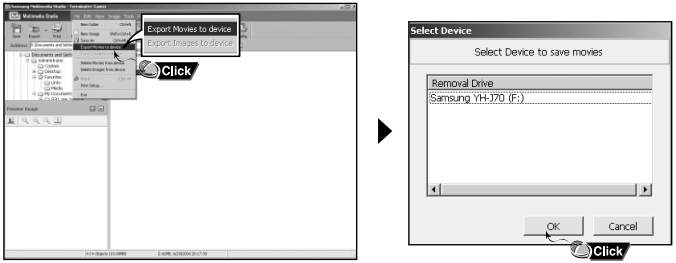
Sending Videos

1 Connect the player to PC.

2 Select the video(s) to send to the player.

3 Select [File] → [Export videos to device] at the top of Multimedia Studio.

4 Select the device connected to PC from the [Select device] screen, and then press the [OK] button.

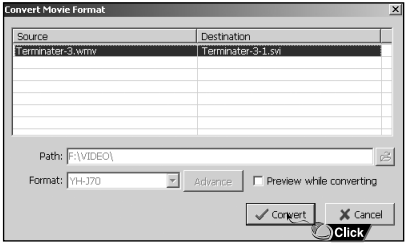


ENG

5 Select the folder to save from the folder selection screen, and then press the [OK] button.

6 Press the [Convert] button when conversion screen appears.

- The converted file is transferred in svi format.
- The transferred video file can be viewed at [Photo/Video] → [Video].



▲ For converting and transferring a video file, you have to check the followings.

1. Check if Direct X 9.0 or higher has been installed in the PC.
2. Check if Windows Media Player 9.0 or higher has been installed in the PC.
3. Check if Unified Codec Pack has been installed in the PC.

Note

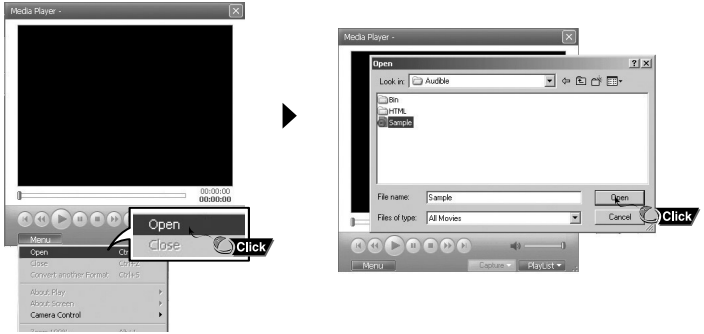
- Video files saved in the player can be deleted by selecting [File] → [Delete videos from device].
- Refer to [Help] for more detailed information

Using Multimedia Studio

Capturing Video

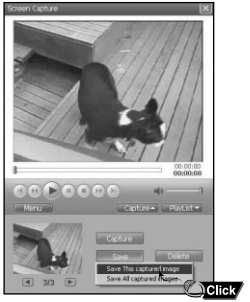
1 Press the [Capture] button at the top of the Multimedia Studio menu.
- The Media Player screen will be displayed.

2 Click [Menu] → [Open] on your PC and select the video to play.
- The selected video will be played.



3 Press the ① [Capture] button and then press the ② [Capture] button when the image you want to capture appears.
- The selected image will be captured.

4 Press the [Save] button.
- Save This captured image: saves the currently selected image.
- Save All captured images: saves all captured images.

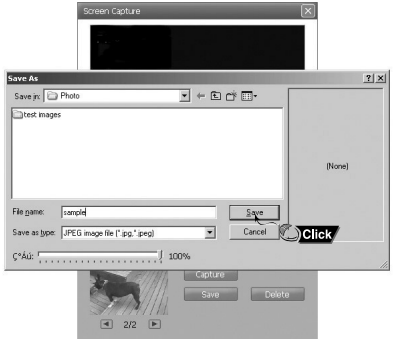


Continued...

ENG

5 Select the directory to save to from the [Save As] window and press the [Save] button.

● The selected image will be saved.



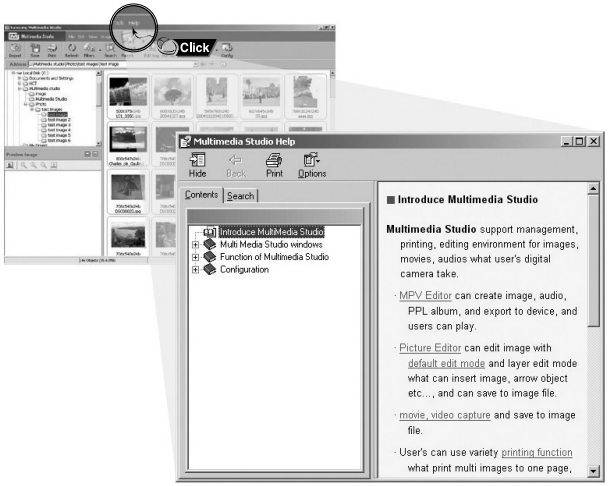
Note

- Video playback and conversion codecs are not provided. It is recommended that you use codecs of latest versions.
- Refer to [Help] for more detailed information.

To View Help on Multimedia Studio

Run Multimedia Studio and press the Help button at the top of the screen.

● Help will be displayed.


Click
Multimedia Studio Help
Hide
Back
Print
Options
Contents
Search
Introduce MultiMedia Studio
Multi Media Studio windows
Function of Multimedia Studio
Configuration
Introduce Multimedia Studio
Multimedia Studio support management, printing, editing environment for images, movies, audios what user's digital camera take.
· MPV Editor can create image, audio, PPL album, and export to device, and users can play.
· Picture Editor can edit image with default edit mode and layer edit mode what can insert image, arrow object etc…, and can save to image file.
· movie, video capture and save to image file.
· User's can use variety printing function what print multi images to one page,

Make sure the player is fully charged and the earphones are connected.

- Power On: Press and hold the ▶II button to turn on the power.
- Power Off: Press and hold the ▶II button to turn off the power.

Playing Music

Press and hold the ▶II button

- Playback starts automatically.

Pausing Music

Press the ▶II button to pause playback.

- While in Pause mode, briefly press ▶II again to resume playback.

Adjusting Volume

Adjust volume by moving the SELECT button up and down.

- The volume can be adjusted in increments between 00(MIN) and 60(MAX).

Use the Hold feature to lock and disable all buttons.

Hold Function of the Main Unit

Activate ( ) on the main unit.

- ✵ All buttons on the main unit will be disabled, and only the buttons on the remote control can be used for input.
- ✵ When you activate the HOLD switch, a " " appears on the display.

Starting Point

While playing a music file, press the A↔B button at the beginning of the loop you want to set.

- A↔ appears in the display.

Ending Point

Press the A↔B button shortly at the point you wish to end Loop Repeat.

- A↔B appears in the display.
- The loop is played repeatedly.

Press the A↔B button briefly to cancel the loop.

To Search for Specific Parts During Play

- Press and hold the ⏮, ⏭ button during playback to search for the part you want to listen to.
- Release the button to resume play normally.

To Change Tracks During Play

- Press the ⏭ button briefly during playback to play the next track.
- Press the ⏮ button briefly within 5 seconds after playback starts to move to and play the previous track. Press the ⏮ button briefly after 5 seconds to play the current track from the beginning.

To Change Tracks when Stopped

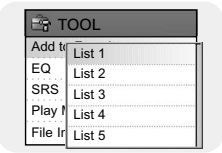
- Press the ⏮, ⏭ button in stop/pause mode to move to the previous/next track.

Note

- VBR(Variable Bit Rate) file: A file that constantly changes the compression rate according to the type of sounds, such as their pitch, in the file.
- When playing a VBR file, you cannot move to and play the previous track even if you press the ⏮ button within 5 seconds after playback starts.
- Files that were downloaded in MP2 or MP1 and had their file extension changed to MP3 may not play.

- You can move and select using the SELECT button.
- Press the ⏮ button to move to the previous screen.

Add to Favorites



1 Press the TOOL button in music mode.
- Music Tool screen appears.

2 Press the SELECT button after moving to [Add to Favorites].

3 Press the SELECT button after moving to the list to save.
- The selected file will be added to the list.
- 10 Playlists can be selected.
- Added files can be found at [Navigation] → [Playlist] → [Favorites].

EQ

1 Press the TOOL button in music mode.
- Music Tool screen appears.

2 Press the SELECT button after moving to [EQ].

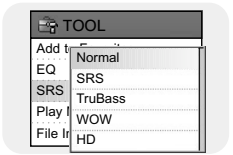
3 Press the SELECT button after moving to the desired sound effect mode.
- Normal → Jazz → Classic → Pop → Rock → Bass Boost → Bass Cut → R&B → Club → Dance → House → High Boost → High Cut Loud → Ballad → Strings → Vintage → Vocal Boost → Bluesy → User EQ
- When using User EQ, the desired sound effects can be set from [Settings] → [Sound Effect] → [User EQ Set].

SRS

1 Press the TOOL button in music mode.
- Music Tool screen appears.

2 Press the SELECT button after moving to [SRS].

3 Press the SELECT button after moving to the desired SRS mode.
- Normal → SRS → TruBass → WOW → HD
- SRS: You will hear 3D Streo sound.
- TruBass: This is bass boost feature that adds fillness to the sound.
- WOW: This feature allows you to enjoy the SRS and Trubass features simultaneously.
- HD: You can enjoy more clear voice and high tones.



Note

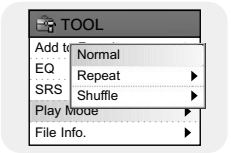
- SRS WOW HD is a trademark of SRS Labs, Inc.
  WOW technology is incorporated under license from SRS labs, Inc..
- Please adjust the volume to a suitable level, as the volume may increase in the SRS setting.
- This unit supports sampling frequencies of 32KHz, 44.1KHz or 48KHz.

Play Mode

1 Press the TOOL button in music mode.
- Music Tool screen appears.

2 Press the SELECT button after moving to [Play Mode].

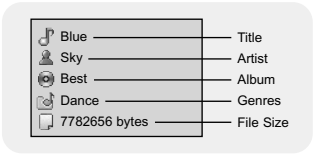
3 Press the SELECT button after moving to the desired Play Mode.
- Normal : To play all the files in order one time.
- Repeat: Press the SELECT button at [Repeat].
  - One : To repeat one file.
  - Folder : To repeat the current folder.
  - All : To repeat all files.
- Shuffle : Press the SELECT button at [Shuffle].
  - Folder : To play files in the folder at random.
  - All : To play files at random.



File Info.

1 Press the TOOL button while the music is playing or has stopped.
- Music Tool screen appears.

2 Press the SELECT button after moving to [File Info.].
- Information on file currently playing/paused is displayed.



Press the MENU button to switch to Menu mode.

Use the SELECT button to select the menu item you want, and then briefly press the SELECT button.

- Now playing : To display the song currently playing.
- FM Radio : To listen to FM radio.
- Navigation : To move to Navigation Mode and browse files and folders.
- Text : To read text files
- Photo/Video : To view saved image files or videos
- USB Host : To transfer files saved in the unit to external devices or transfer files saved in external devices to the unit.
- Games : To play games.
- Settings : To set the functions.

Note

- In Menu mode, press the ⏮ button to move to the previous screen.

ENG

Switching to FM Radio Mode

Press the MENU button.
In the Menu, select FM Radio and then press the SELECT button.

Search for a Frequency

- Manual Search: Press the ⏮, ⏭ buttons to change the frequency up or down.
- Automatic Search: Press and hold the ⏮, ⏭ buttons to automatically search for receiving frequencies.

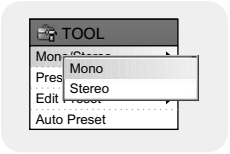
● You can move and select using the SELECT button.
● Press the ⏮ button to move to the previous screen.

Mono / Stereo

1 Press the TOOL button in FM Mode.
● FM Tool Screen appears.

2 Press the SELECT button after moving to [Mono/Stereo].

3 Press the SELECT button after moving to the desired FM reception mode.



Note

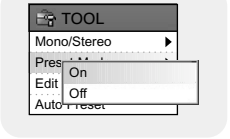
- Mono is automatically selected in areas with weak FM reception.

Preset Mode

1 Press the TOOL button in FM Mode.
● FM Tool Screen appears.

2 Press the SELECT button after moving to [Preset Mode].

3 Press the SELECT button after moving to On/Off.
● On : Preset mode is selected. Select preset frequency using the ⏮, ⏭ button
● Off : FM reception mode is selected.



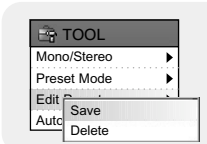
Edit Preset

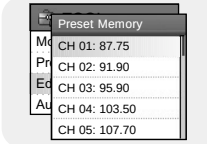
● You can manually preset desired FM frequencies.
● You can store up to 30 frequencies.

1 Press the TOOL button in FM Mode.
● FM Tool Screen appears.

2 Press the SELECT button after moving to [Edit Preset].

3 Press the SELECT button after moving to [Save] or [Delete].
● Save : Select the desired Preset number by using the SELECT button. The current frequency will be saved.
● Delete : Select a saved preset number to be deleted. The selected preset number will be deleted.





Auto Preset

1 Press the TOOL button in FM Mode.
● FM Tool Screen appears.

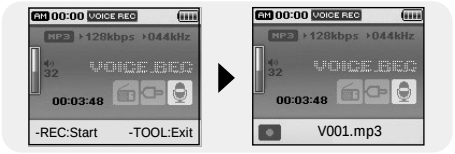
2 Press the SELECT button after moving to [Auto Preset].
● Frequencies are automatically stored up to 30.

Recording Voice

1 Press and hold the REC button.
- Recording screen appears.

2 Press the REC button to start voice recording.

3 Press the REC button again.
- Recording stops and the file is created.
- Files are recorded and renamed V001.mp3, V002.mp3, and so on.
- The created MP3 files are saved in [Navigation] → [File Search] → [RECORDED] → [VOICE] folder. Up to 999 files are saved in a record folder.
- Press the ▶II button to play the recorded file.



Note

- Even if you set the sampling and bit rates higher, voice recording will default to 44.1KHz.

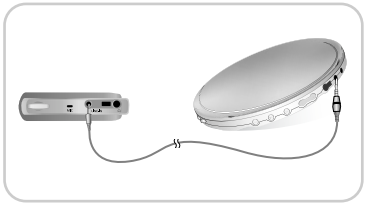
Recording FM Radio

1 Press and hold the REC button while receiving FM.
- Recording screen appears.

2 Press the REC button.
- Current FM broadcasting will be recorded.

3 Press the REC button again.
- Recording stops and the file is created.
- Files are recorded and renamed F001.mp3, F002.mp3, and so on.
- MP3 files are added to [Navigation] → [File Search] → [RECORDED] → [FM]. Up to 999 files are saved in a record folder.
- Press the ▶II button to play the recorded file.

1 Connect the Audio Output port on the external audio source (or the Line Out port) to the LINE IN port on the device with the Line cable.



- Press the play button on the external device to play the music to record.

2 Press and hold the REC button.

- Recording screen appears.

3 Press the REC button.

- Recording will start.

4 Press the REC button again.

- Recording stops and the file is created.
- Files are recorded and renamed L001.mp3, L002.mp3, and so on.
- MP3 files are added to [Navigation] → [File Search] → [RECORDED] → [LINE]. Up to 999 files are saved in a record folder.
- Press the ▶II button to play the recorded file.

Note

- Do not disconnect the Line cable during Recording.
- If the battery is not sufficiently charged, the player will not completely record the file.
- Adjust the volume of the external audio source to a suitable level and recode it. If the volume level is too high, the sound quality may be poor.

- You can move and select using the SELECT button.
- Press the ⏮ button to move to the previous screen.

1 Press and hold the SELECT button to move to navigation mode, or press the MENU button to move to Menu and then select Navigation.

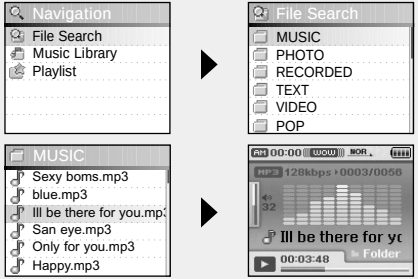
- File Search : You can search for a file from MUSIC, PHOTO, TEXT or VIDEO folder.
- Music Library : You can search for a music file by Artist, Album, Genre and Track.
- Playlist : You can search for a file specified as a Favorite in the player or PC Playlist transmitted through Media Studio.

2 Select the file or folder that you want to play.

- ⏮ : To move to a higher-level folder.
- ⏭ : To move to a lower-level folder.
- ▲,▼ : To move to a file or folder in the same directory.
- SELECT : To move to the next folder down.

3 Press the SELECT button.

- The selected file will be played.

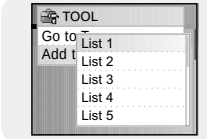


- You can move and select using the SELECT button.
- Press the ⏮ button to move to the previous screen.

Go to Top

1. Press the TOOL button in Navigation Mode.
   - Navigation Tool screen appears.
2. Press the SELECT button after moving to [Go to Top].
   - Move to the File Navigation screen.

Add to Favorites

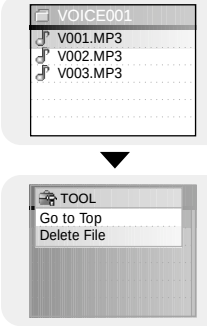


1. Press the TOOL button after moving to the music file in Navigation Mode.
   - Navigation Tool screen appears.
2. Press the SELECT button after moving to [Add to Favorites].
3. Press the SELECT button after moving to the list to save.
   - The selected file will be added on the list.
   - 10 Playlists can be selected.
   - Added files can be found at [Navigation] → [Playlist] → [Favorites].

Delete File

- Recorded files can be deleted in Navigation Mode. Other files can be deleted using Media Studio.

1. Press the TOOL button after moving recorded file to delete in Navigation Mode.
   - Navigation Tool screen appears.
2. Press the SELECT button after moving to [Delete File].
   - The selected file will be deleted.



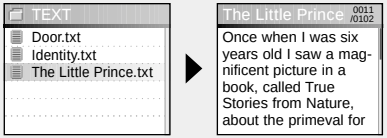
- Text Viewer allows you to read text files that were created on your PC.
  Text files must have a .txt extension to be viewed by Text Viewer.
- You can select an text file to view while listening to the music.

1 Press the MENU button to move to menu, and then select Text.

- Navigation screen appears.

2 Move to the text you want to read, and then press the SELECT button.

- The selected text file will be displayed.
  - ▲,▼ : Volume Control.
  - ⏮, ⏭: Move to Previous/Next Page.
  - Text File Selection: Press and hold the SELECT button to move to navigation during a music is playing. Move to the desired text file, and then press the SELECT button.


TEXT
Door.txt
Identity.txt
The Little Prince.txt
The Little Prince
0011
/0102
Once when I was six years old I saw a magnificent picture in a book, called True Stories from Nature, about the primeval for

Note

- Text files with size of 500KB or above cannot be read.

- You can move and select using the SELECT button.
- Press the ⏮ button to move to the previous screen.

Bookmark

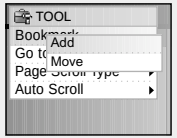
1 Press the TOOL button while viewing reading text.

- Text Tool screen appears.

2 Press the SELECT button after moving to [Bookmark].

3 Press the SELECT button after moving to [Add] or [Move].

- Add : Bookmark is created on the current page.
- Move : Move to a bookmark within the text file.



Note

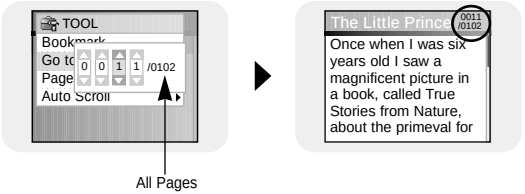
- You can create 1 bookmark within a file or 5 bookmarks within a directory.

Go to page

1 Press the TOOL button while viewing text.
- Text Tool screen appears.

2 Press the SELECT button after moving to [Go to page].

3 Press the SELECT button after selecting the desired page.
- Move to the selected page.
- SELECT: Select page.
- ⏮, ⏭: Move input box.

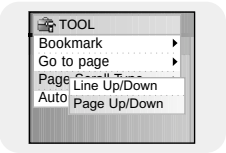

TOOL
Bookmark
Go to
Page
Auto Scroll
0 0 1 1 /0102
All Pages
The Little Prince
0011 /0102
Once when I was six years old I saw a magnificent picture in a book, called True Stories from Nature, about the primeval for

Page Scroll Type

1 Press the TOOL button while viewing text.
- Text Tool screen appears.

2 Press the SELECT button after moving to [Page Scroll Type].

3 Press the SELECT button after moving to the desired scroll settings.
- Line Up/Down : Pressing the ⏮, ⏭ button moves the text by 1 line.
- Page Up/Down : Pressing the ⏮, ⏭ button moves the text by 1 page.

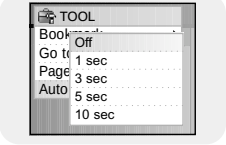


Auto Scroll

1 Press the TOOL button while viewing text.
- Text Tool screen appears.

2 Press the SELECT button after moving to [Auto Scroll].

3 Press the SELECT button after moving to the desired Auto scroll time.
- Off, 1, 3, 5 or 10 second is available.
- The page automatically moves after the time you set.

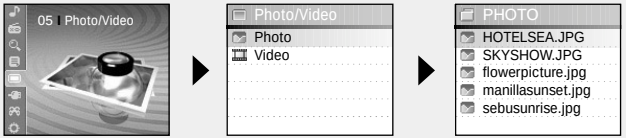


Viewing Image Files

1 Press the MENU button to move to menu, and then select Photo/Video.
- Photo/Video screen appears.

2 Press the SELECT button after selecting [Photo] folder.

3 Move to the image you want to view, and then press the MENU button.
- The selected image file will be displayed.
- ▲,▼ : Volume Control.
- ⏮, ⏭ : Move to previous/next image.
- MENU: Move to menu screen.
- TOOL: Image Tool screen appears when TOOL button is pressed. Select [Slide Show] → [On] in Image Tool screen to view saved image files in a slide show.



Note

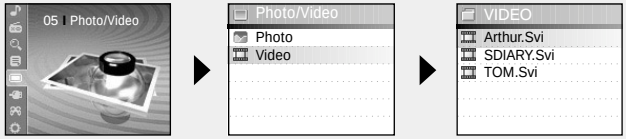
- The optimal image size for the unit is 160X128. If the image size is too large, use Multimedia Studio to adjust the size and resend it to the player. (see page 32).
- Image files with size of 2MB or above cannot be viewed.

Viewing Video Files

1 Press the MENU button to move to menu, and then select Photo/Video.
- Photo/Video screen appears.

2 Press the SELECT button after selecting [Video] folder.

3 Move to the video you want to view, and then press the MENU button.
- The selected video file is played.
- ▲,▼ : Volume Control.
- (Short) ⏮, ⏭ : Move to previous/next video
- (Long) ⏮, ⏭ : Fast Search
- MENU: Move to menu screen.
- TOOL: Check video title, progress time, total time



Note

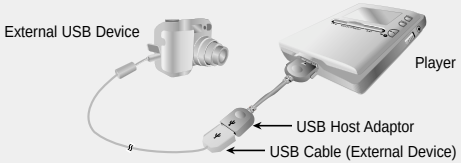
- The player only supports video files which have a .svi extension. To view video files on other formats, convert the files using Multimedia Studio and then transfer the converted files into the player. To transfer a video file of different format, refer to “Sending Videos” in ”Using Multimedia Studio”. (See page 34.)

Connecting an External Device

- To use USB host function, the capacity of the external device to be connected should be equal to or larger than 128MB.
- The external device should have FAT 16/32 file system.

1 Connect the player to the USB host adaptor.

2 Use the external device's USB cable to connect the external device and the USB host adaptor.



3 Press the MENU button to switch to Menu screen.
Select USB Host and then press the SELECT button.

4 Use the SELECT button to move to the 'Please connect a slave device [OK]' and then press the SELECT button.

- The External Device screen will be displayed.

Transferring Files from External Device to the Player

1 Move to a file to transfer to the player and then press the SELECT button.

- ▲,▼ : To move up or down.
- SELECT : To move to a sub folder, or select a file.

2 Press the TOOL button to move to the USB Tool screen and then select the [Cut] or [Copy].

- Cut: If you paste the selected file to J70, the original file will be deleted.
- Copy: The selected file will be copied.

3 Press the ⏮ button to move to [YH-J70], and then press the SELECT button.

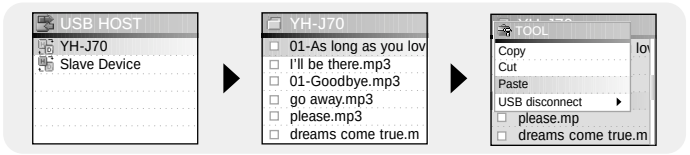
- YH-J70 Navigation screen appears.

Continued...

4 Move to a folder into which the file of the external device is to be copied.

5 Select the TOOL button to move to the USB Tool screen and then select the [Paste].

- The selected file is transferred to the player. Do not disconnect the player or the external device while transferring the file.



Note

- According the procedures similar to the above, you can transfer the files in the player to the external device.

ENG

YH-J70 USB HOST Compatible

- You can transfer images from the cameras listed below to your YH-J70 for storage.
- The following is a list of cameras that are compatible with YH-J70 USB Host function.
- This list may change with firmware upgrade.

Device	Model Number	Device	Model Number
MP3 Player (Samsung)	YP-55	Digital Camera	Fuji Finepix-A340
	YP-MT6		Fuji Finepix-F450
	YP-T6		Fuji Finepix-F810
	YP-ST5		Panasonic Lumix-FZ20
	YP-T5		Olympus 300-Digital
	YP-53		Pentax Optio-S40
	YH-920		H.P. Photosmart 945
	YP-T7		NIKON COOLPix 4200
	YH-925		NIKON COOLPix 4300
	YP-C1		NIKON COOLPix S1
	YP-60		Panasonic DMC-FX7
	YP-T8		

Playing Games

- Press the MENU button to move to menu, and then select Games.
- Move to the desired game, and then press the SELECT button.

Clear Screen

1 Press the [START] to start game.

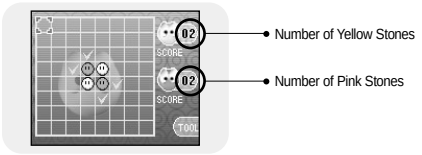
2 Select level using the SELECT button when level screen appears.

[Game Method]

- The objective of the game is to clear the screen by reversing the 4 directions of the selected location.
  E.g. At level 1, if you select the stone on the center, 4 directions are reversed and the screen is cleared.
- ▲,▼ ,SELECT: Move Up, Down and Select
- ⏮, ⏭ : Move Left and Right
- TOOL: Restart, Exit

Othello

1 Press the [START] to start game.



[Game Method]

- When you place your stones in horizontal, vertical or diagonal direction, the stones inside become yours.
  The side with the most stones after the game wins.
- ▲,▼ ,SELECT: Move Up, Down and Select
- ⏮, ⏭ : Move Left and Right
- TOOL: Restart, Exit

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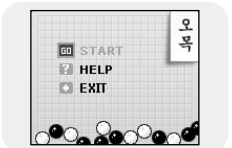
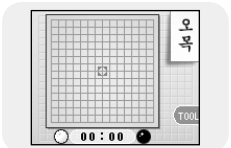
Omok

1 Press the [START] to start game.





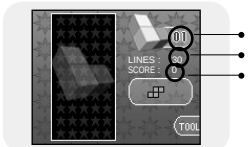
[Game Method]

- The side with 5 straight stones in a horizontal, vertical or diagonal row wins the game.
- ▲,▼ ,SELECT: Move Up, Down and Select
- ⏮, ⏭ : Move Left and Right
- TOOL: Restart, Exit

Tetris

1 Press the [START] to start game.

2 Select level using the SELECT button when level screen appears.



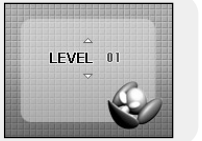
[Game Method]

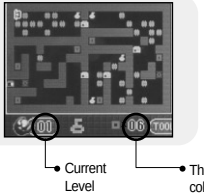
- The objective of the game is to eliminate rows by stacking various shaped blocks.
- SELECT : Change block shapes
- ⏮, ⏭ : Move Left and Right
- ▼ : Pull down
- TOOL: Restart, Exit

Chips

1 Press the [START] to start game.

2 Select level using the SELECT button when level screen appears.



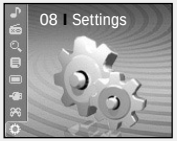


[Game Method]

- The objective of the game is to reach the final gate by moving obstacles and acquiring keys and items. You can pass the gate only when you get the key, and you can proceed to the next level only after collecting the required number of items at the current level.
- ▲,▼ : Move Up, Down and Select
- ⏮, ⏭ : Move Left and Right
- TOOL: Restart, Exit

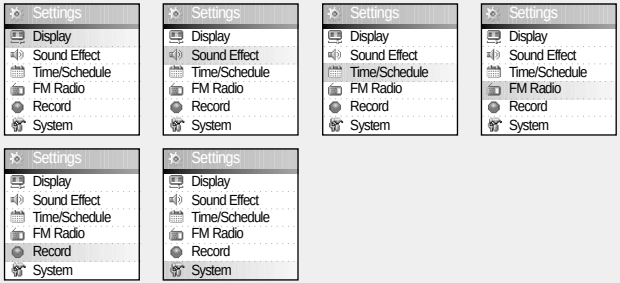
ENG

1 Press the MENU button to move to menu, and then select Settings.



2 In Settings, move to the function you want and press the SELECT button to select.

● Press the ⏮ button to move to the previous menu.

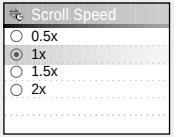


Screen Display Settings

Press the MENU button to move to menu, and then select [Settings] → [Display].

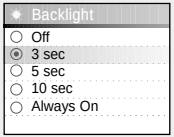
Scroll Speed

- Use the SELECT button to set the scroll speed to adjust the speed of the track title movement.
- Scroll speed can be set to 0.5x, 1x, 1.5x or 2x.



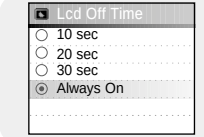
Backlight

- Use the SELECT button to set the backlight time.
- Backlight time can be set to Off, 3 seconds, 5 seconds, 10 seconds or Always On.
- When set to Always On, the Light stays on continuously.



Lcd Off Time

- Use the SELECT button to set the LCD off Time.
- LCD Off time can be set to 10 seconds, 20 seconds, 30 seconds or Always On.
- When set to Always On, the Light stays on continuously.
- The screen switches off after the set time. The screen returns when a button is pressed.



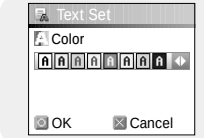
Text Set

1 Select a desired text color.

- ⏮, ⏭ : Move Left, Right
- ▲,▼, SELECT: Select

2 After setting is complete, move to OK and then press the SELECT button.

- If you select a color, text will be displayed in that color.

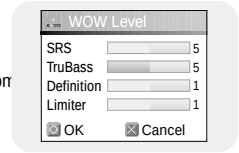


ENG

Press the MENU button to move to menu, and then select [Settings] → [Sound Effect].

WOW Level

1 Select the desired WOW level.



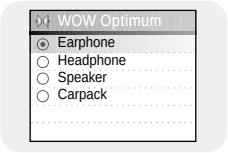
- WOW level control is only applied when SRS, TruBass or WOW is selected. You can set SRS and TruBass from 0 to 10, and Definition from 0 to 8, Limiter from
- SELECT : Move Up, Down and Select
- ⏮, ⏭ : Move Level
- SRS : You will hear 3D Streo sound.
- TruBass : This is a bass boost feature that adds fullness to the sound.
- Definition: Restores loss of sound to the original and provides better quality of sound.
- Limiter: Minimizes the sound distortion that is produced during music playback.

2 After setting is complete, move to OK and then press the SELECT button.

WOW Optimum

- It optimizes the SRS function according to the connected device.

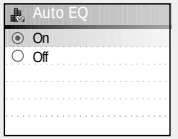
- Use the SELECT button to move to the connected device.
- Earphone → Headphone → Speaker → Carpack



Auto EQ

- User the SELECT button to select Automatic EQ On/Off.
- On : EQ is automatically selected from Jazz, Classic, Pop or Rock according to the music file's ID3 tag information.
- Off : Music file is played in the current EQ mode chosen.

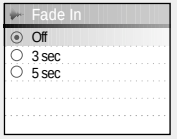
EQ MODE	TAG INFO
ROCK	CLASSIC ROCK, CHRISTIAN ROCK, ROCK, ALTERNROCK, INSTRUMENTAL ROCK, SOUTHERN ROCK, ROCK & ROLL, HARD ROCK, FOLK-ROCK, GOTHIC ROCK, PROGRESSIVE ROCK, PSYCHEDELIC ROCK, SYMPHONIC ROCK, SLOW ROCK, PUNK ROCK, DEATH METAL
CLASSIC	CLASSIC, OPERA, CHAMBER MUSIC SONATA, SYMPHONY
JAZZ	JAZZ, JAZZ+FUNK, ACID JAZZ
POP	POP, INSTRUMENTAL POP, POP-FOLK, DANCE EURODANCE, DANCEHALL, DISCO, HIP-HOP



Fade In

- Protects your ears by gradually increasing the volume when playback starts.

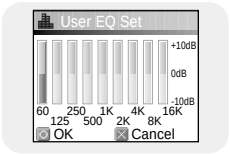
- Use the SELECT button to select the desired fade time.
  - Off : Music is played in the selected volume.
  - 3 sec : Music gradually increases for 3 seconds.
  - 5 sec : Music gradually increases for 5 seconds.



User EQ Set

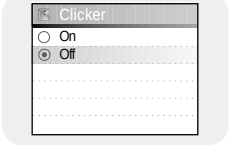
- If User EQ is selected in EQ, EQ can be set to your preference in the User EQ Set.

● Use the ⏮, ⏭ button to move to right or left and use the SELECT button to adjust the level.
After setting is complete, move to OK and then press the SELECT button.



Clicker

● Use the SELECT button to selecct Clicker On/Off.
● On : A click sound alarms whenever the buttons are pressed.
● Off : No click sound when a button is pressed.



Press the MENU button to move to menu, and then select [Settings] → [Time/Schedule].

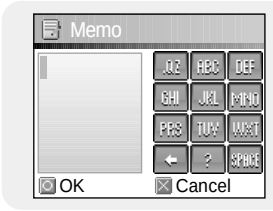
Memo

1 Select [New Memo] when memo screen appears.

2 Enter desired contents.

● Input Procedure
Move to a desired key by using ▲,▼, ⏮ ,and ⏭ buttons and press the SELECT button.
Press the SELECT button twice to enter the second letter of the key.

Ex) To enter 'MOVE',
Move to the corresponding key and press the SELECT button.
6MNO (Once) → 6MNO (3 times) → 8TUV (3 times) → 3DEF (2 times)



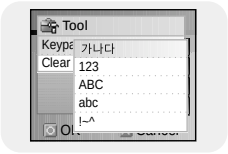
● Select ← to delete a letter, and select SPACE to enter blank space.

Note
- You cannot enter more than a page of memo.

Continued...

3 Press the TOOL button.

- Keypad Set : You can change the keypad. You can select Korean → Numeric → Capital English Font → Small English Font → Special Characters.
- Clear : Delete the whole memo.



4 After typing is complete, move to OK and then press the SELECT button.

Note

- Move to a memo to delete in the Select Memo list screen and press the TOOL button. Then, select [Delete] to delete the memo.

Calendar

1 Press the TOOL button in calendar screen.

- Day: Move by day
- Month: Move by month
- Year: Move by year

2 Move to the date you want to check.

- ▲,▼ : Move up and down
- ⏮, ⏭ : Move left and right

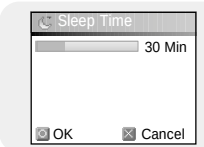
3 Press the SELECT button after checking.

- Previous screen is displayed.

Sleep

1 Use the ⏮, ⏭ button to set sleep time.

- Sleep time can be set to Off, 10~120 minutes. The player will automatically turn off after the time you set.
- When sleep time set to Off, the function is disabled.



2 After setting is complete, move to OK and then press the SELECT button.

Date/Time

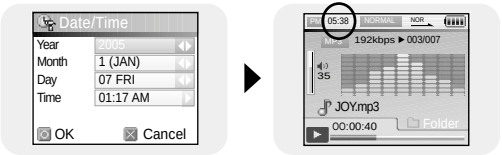
- You can set the current date and time.

1 Use the SELECT button to move to the next stage, and then select the year, month and date using the ⏮, ⏭ button.

2 Press the ⏭ button after moving to Time.

3 Use the ⏮, ⏭ button to set the current time and then press the SELECT button.

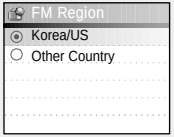
4 After setting is complete, move to OK and then press the SELECT button.



Press the MENU button to move to menu, and then select [Settings] → [FM Radio].

FM Region

- Use the SELECT button to select the desired FM Reception Region.
  - Korea/ US: Search FM frequencies between 87.5MHz to 108.0MHz in increments of 100 kHz.
  - Other Country: Search FM frequencies between 87.50MHz to 108.00MHz in increments of 50 kHz.

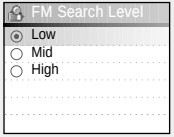


Note

- The default FM region setting may vary depending on the target region of the player.

FM Search Level

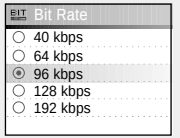
- Use the SELECT button to select the desired FM Search Level.
  - The higher the FM search level, the more frequencies can be received.
  - Low → Mid → High



Press the MENU button to move to menu, and then select [Settings] → [Record].

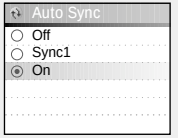
Bit Rate

- Use the SELECT button to select the desired recording bit rate.
- Recording bit rate can be set to 40kbps, 64kbps, 96kbps, 128kbps or 192kbps.



Auto Sync

- Use the SELECT button to set the Auto Sync Time.
- Auto Sync Time is a function for separating and saving MP3 files when there is no sound for a set time during MP3 recording.
- In SYNC 1 setting, recording stops and it moves to Music Mode when there is no sound for over 2 seconds during recording.
- If Auto Sync Time is set to Off, recording keeps going even if there is no sound, and then it is saved as one file.



Press the MENU button to move to menu, and then select [Settings] → [System].

Languages

- Use the SELECT button to select the desired language to display the menu screen.
- English → 한국어 → 日本語 → 简体汉语 → 繁體漢語 → Русский → ESPÑAOL → Français → Deutsch → Italiano

File Language

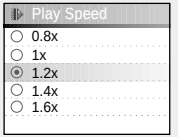
- Use the SELECT button to select the desired language to display tag info and text.
- English → Korean → Japanese → Simplified Chinese → Traditional Chinese → Russian → Spanish → French → German → Italian → Albanian → Afrikaans → Basque → Bulgarian → Byelorussian → Catalan → Czech → Croatian → Danish → Dutch → Estonian → Faeroese → Finnish → Galician → Hungarian → Icelandic → Irish → Latvian → Lithuanian → Macedonian → Norwegian → Polish → Porthguuese → Rhaeto-Romanic → Romanian → Scottish → Serbian → Singaporean → Slovak → Slovenian → Swahili → Swedish → Ukrainian

Note

- What is an ID3 Tag?
  This is what is attached to an MP3 to carry information relevant to the file, such as the title, artist, album, year, genre and a comment field.
- Supported languages can be changed or added.

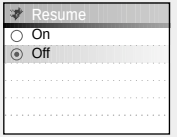
Play Speed

- Use the SELECT button to select the desired play speed.
- Play speed can be set to 0.8x, 1x, 1.2x, 1.4x or 1.6x.
- The larger the number, the faster the speed of play, and the smaller the number, the slower the speed of play.



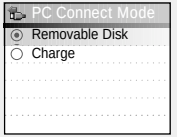
Resume

- Use the SELECT button to select resume On/Off.
- On : Playback will resume from the point it was previously stopped. In case of text files, text will resume from the point of last view.
- Off : Playback will resume from the beginnng of the file/track that was playing when stopped. In case of text files, text will resume at the beginning of the file.



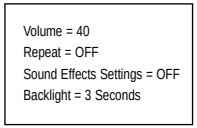
PC Connect Mode

- Use the SELECT button to select PC Connection Mode.
- Removable Disk: Use to save files to a removable disk or to transfer image and video files using the Multimedia Studio.
- Charge: Use to charge via the USB cable.

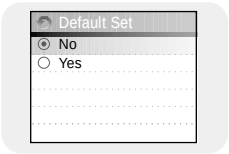


Default Set

- Use the SELECT button to select default set Yes or No.
- If you select [Yes], a popup window will be displayed. If you select [OK], all selected settings will be restored to the default setting.

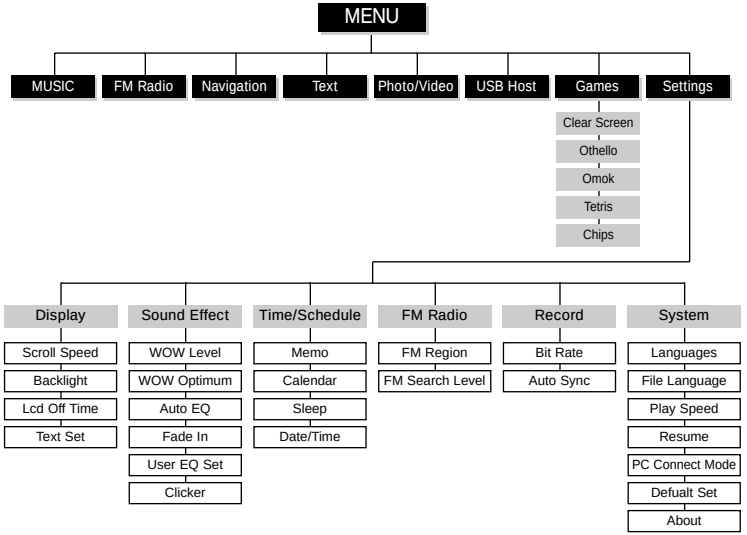


Initial Settings



About

- Select About to check total capacity, available capacity and the software version.



- Use the SELECT button to move and select.

File search does not work properly in the Menu Navigation.

- After connecting the player to PC, run Media Studio, and then select [Device] → [Reconstruct Library].

The player doesn't work. There is nothing showing on the display panel.

- Reset the Player.
- Connect the charger.
- Make sure the Hold switch is in the off position.

There is no sound even if I press the Play button in Music mode.

- Check if there are MP3 or WMA files on the player.
- Non-playable file formats (e.g. MPEG1 LAYER 1 file) cannot be played.

I cannot download files.

- Check the battery's power level.
- Check the USB connection between the player and your PC.
  The player will be disconnected if you restart the PC while the player is connected to the PC.
  Try reconnecting the player.
- Check if there is the “unplug/eject” or “Safely Remove Hardware” icon located in your icon tray at the bottom of your screen.

The Backlight is off.

- Please check the Backlight settings.
- Backlight is automatically disabled for longer playback in case of low battery power.

The playback time display during playback does not seem right.

- Check if you are playing a VBR (Variable Bit Rate) file. VBR files are only partially supported.

The buttons on the player does not work.

- Make sure the Hold switch is in the off position.
- Check if USB cable is connected.
  When USB cable is connected, the buttons will not work.

The LCD window is too dark.

- Check the backlight time/LCD off time.

During playback, some unknown characters are displayed on the display panel.

- Unsupported languages will be indicated by a question mark (?).

"Null" appears on the playback screen in place of the selected music file's title.

- There is no ID3 tag information for the music file. Edit the song title, artist, and album information of the song.

It takes a long time when I search songs by Song Title, Artist, or Album.

- If there are many music files on your player, it may take longer to read them .

Specifications

Model	YH-J70
Internal Memory Capacity	YH-J70 SB/SW(20GB) / YH-J70 LB/LW(30GB)
Built-in Rechargeable Battery Capacity	950mAh
Voltage	4.2V (Li-ion Rechargeable Battery)
Dimensions/Weight	62 X 99.8 X 16.4mm/135g
Case	Plastic
Signal to Noise Ratio	90dB with 20KHz LPF(based on 1KHz OdB)
Earphone Jack Output Power	20mW(France 5mW/CH)(16Ω)
Output Frequency Range	20Hz~20KHz
Operating Temperature Range	-5~ +35°C (23~95°F)
FM Frequency	87.50 ~ 108.00MHz
FM Signal to Noise Ratio	45dB
FM T.H.D	1%
FM Useable Sensitivity	10dB
File Support	AUDIO : MPEG1/2/2.5 Layer3(8Kbps~320Kbps, 8KHz~48KHz), WMA, Audio ASF (48Kbps~192Kbps, 8KHz~48KHz), Ogg (Q0~Q10) IMAGE : QCIF 160x128
Number of Playable Files	Normal Folder : 1024 Files Recorded Folder : 999 Files

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ENG

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life.
To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.
Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.
Business users should contact their supplier and check the terms and conditions of the purchase contract.
This product should not be mixed with other commercial wastes for disposal.